MICROPROCESS THERMOCOUPLE ISOLATED TRANSMITTER

■ FEATURES

• Accuracy 0.2%F.S.±0.5℃ (CJC)
• CJC traceability<±0.5℃ (0~70℃)
• Sensor error compensation(offset) and burnout protection function)
• 16 bit DAC isolating analog output
• Wide selection of input/output range
• Dielectric strength 2KVac/1min. (input/output/power)
• Wide input range for auxiliary power
• Dimension small and High stability
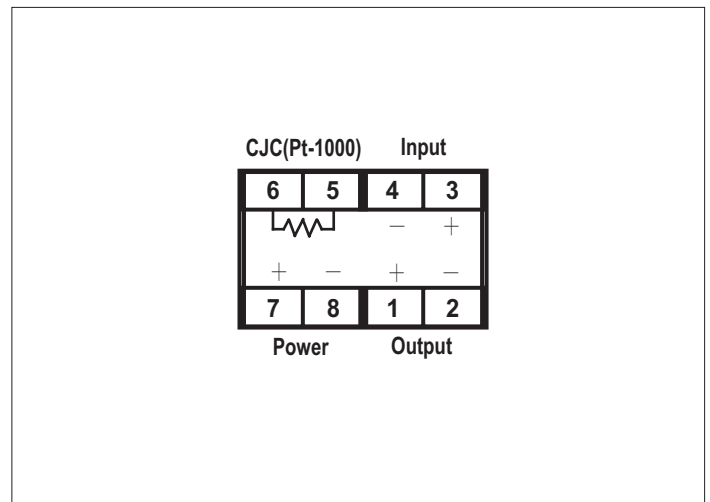
1.MODEL:TMT-☐ ☐ ☐

NO	Input Type	NO	Input Type	NO	Output Range	NO	Output Range	NO	Output Range	NO	Aux. Power
B	B(200~1800℃)	R	R(0~1760℃)	A	DC0~50mV	E	DC2~10V	I	DC4~20mA	A	AC/DC 18~60V
E	E(-185~990℃)	S	S(0~1750℃)	B	DC0~1V	F	DC0~1mA	R	SPECIFIED	B	AC/DC 90~260V
J	J(-200~760℃)	T	T(-200~395℃)	C	DC1~5V	G	DC0~10mA			C	AC110V(50/60Hz)±20%
K	K(-200~1360℃)	• ℉=(9/5)℃+32	D	DC1~10V	D	DC0~10V	H	DC0~20mA			D	AC220V(50/60Hz)±20%

• Less 3VA for AC/DC input

2.SPCIFICATION

• Measuring accuracy : 0.2% F.S.±0.5℃ (CJC)

• Sampling time : 10 cycles/sec.

• Analog output resolution : 16 bit DAC

• Response time : < 250 ms (0~90%)

• Offset range(input) : 0~±99.9℃ (℉)

• Output drive capability : < 10mA for voltage mode
  < 10V for current mode

• Output ripple (p-p) : < 0.1% F.S.

• Zero (offset) range : 0~±9999 digit adjustable

• Span (scale) range : 0~±9999 digit adjustable

• Temp. coefficient : 50ppm/℃ (0~50℃)

• Display : Red high efficiency LEDs high 10.16 mm (0.4")

• Parameter setting : Touch switches

• Memory mode : Non-volatile E^2 PROM memory

• Isolation : Input/Output/Power/Case

• Insulation Resistance : >100M ohm with 500V DC

• Dielectric strength : 2KVac/1 min. (input/output/power)
  1600Vdc (input/output)

• Operating condition : 0~60℃ (20 to 90% RH non-condensed)

• Storage condition : 0~70℃ (20 to 90% RH non-condensed)

• Construction : Socket/plugin type with barrier terminals

• CE EMC Certification : EN 55022:1998/A1:2000 Class A
  EN 61000-3-2:2000
  EN 61000-3-3:1995/A1:2001
  EN 55024:1998/A1:2001

3.TERMINAL CONNECTION

4.DIMENSION(unit:mm)